

In the Claims:

Please cancel Claims 1, 3, 6 and 7, without prejudice. The status of all pending claims is as follows:

1-7 (Cancelled)

8. (Previously Presented) A manufacturing method of a liquid crystal display device comprising a pixel substrate having pixel electrodes; a common substrate with a common electrode placed to face said pixel substrate; data lines for supplying a pixel voltage to be applied to said pixel electrodes; switching elements for controlling connection and disconnection between said pixel electrodes and said data lines by ON and OFF; scanning lines for supplying a control voltage for controlling ON and OFF of said switching elements; and a liquid crystal with spontaneous polarization sandwiched between said pixel substrate and said common substrate, wherein said liquid crystal shows a monostable state in which an average molecular axis of a director of liquid crystal molecules is aligned in a single direction when no voltage is applied, said method comprising the steps of:

heating the liquid crystal; and

applying the control voltage for controlling the state of said switching elements to said scanning lines and applying a different DC voltage to said data lines and said common electrode in a vicinity of a transition temperature from a higher temperature phase than chiral smectic C phase to the chiral smectic C phase in an alignment treatment which is performed to obtain the monostable state after heating;

wherein electric field strength to be applied to the liquid crystal by the voltage difference between said data lines and said common electrode is more than  $5 \text{ V}/\mu\text{m}$ , and wherein said control voltage for controlling the state of said switching elements and the DC voltage applied to said data bus lines are at equal potential.

9. (Cancelled)

10. (Previously Presented) A manufacturing method of a liquid crystal display device comprising a pixel substrate having pixel electrodes; a common substrate with a common electrode placed to face said pixel substrate; data lines for supplying a pixel voltage to be applied to said pixel electrodes; switching elements for controlling connection and disconnection between said pixel electrodes and said data lines by ON and OFF; scanning lines for supplying a control voltage for controlling ON and OFF of said switching elements; and a liquid crystal with spontaneous polarization sandwiched between said pixel substrate and said common substrate, wherein said liquid crystal shows a monostable state in which an average molecular axis of a director of liquid crystal molecules is aligned in a single direction when no voltage is applied, said method comprising the steps of:

heating the liquid crystal; and

applying the control voltage for controlling the state of said switching elements to said scanning lines and applying a different DC voltage to said data lines and said common electrode in a vicinity of a transition temperature from a higher temperature phase than chiral

smectic C phase to the chiral smectic C phase in an alignment treatment which is performed to obtain the monostable state after heating;

wherein said control voltage for controlling the state of said switching elements and the DC voltage applied to said data bus lines are at equal potential.

11. (Previously Presented) The manufacturing method of a liquid crystal display device of claim 10,

wherein the potential of said control voltage for controlling the state of said switching elements and the DC voltage applied to said data bus lines is lower than a potential of said common electrode.

12. (Previously Presented) The manufacturing method of a liquid crystal display device of claim 10,

wherein the control voltage and the DC voltage are zero.